CIE data, for example rgb_{sRGB} XYZ_{wt}, $LabCh^*$, $YABCh_{ab}$ and λ_{dP} λ_c for all device colours of maximum (m) chromatic value for D65 and Y_w=100 and 89

rgb_i	i	X, Y, Z, x, y			$L^*, a^*, b^*, C^*_{ab}, h_{ab}, a^*/b^*, C^*_{ab}/L^*$						$Y, A, B, C_{ab}, h_{ab}, u, v, L^*, L^*/L^*_m$						$L^*, a^*, b^*, C^*_{ab}, h_{ab}$						$X, Y, Z, l_d, \lambda_{dP}, \lambda_c$						$L^*, a^*, b^*, C^*_{ab}, h_{ab}$						Y, A, B, C_{ab}, h_{ab}					
1.000 0.000 0.000	m	41.2	21.3	1.9	0.64	0.33	53.2	80.1	67.5	104.6	40.0	0.273	−0.093	0.135	21.3	21.8	8.5	2.2	21.1	194	−0.035	1.067	41	606	17	486	36.5	18.8	7.7	56.5	76.9	64.6	100.4	40.0	18.8	18.5	7.5	20.1	22.0
1.000 0.125 0.000	m	41.8	22.3	2.1	0.631	0.337	54.3	77.0	67.6	102.4	41.3	0.27	−0.094	0.132	20.6	21.9	22.4	23.3	1.873	−0.037	1.005	40.0	603	17	486	37.0	19.7	1.9	15.3	75.9	64.9	98.4	41.3	19.7	18.2	7.9	19.8	23.3
1.000 0.250 0.000	m	43.1	24.9	2.5	0.651	0.375	60.5	68.7	97.7	44.7	0.263	−0.097	0.127	24.9	19.4	9.8	21.7	26.9	1.729	−0.094	0.873	39	598	17	485	38.1	22.1	2.2	54.1	66.7	66.0	93.8	44.7	22.1	17.2	8.7	19.3	26.9
1.000 0.375 0.000	m	45.4	29.6	3.3	0.58	0.378	61.3	57.8	70.8	91.4	50.8	0.253	−0.11	0.121	29.6	17.3	11.5	20.8	3.57	1.536	−0.0449	0.794	38	592	16	484	40.2	26.2	2.9	54.1	55.5	68.0	87.7	50.8	26.2	15.3	10.2	18.4	33.7
1.000 0.500 0.000	m	48.9	36.6	4.5	0.485	0.405	70.4	47.0	74.0	85.6	59.8	0.241	−0.103	0.115	36.6	14.1	14.1	20.0	45.0	1.537	−0.0468	0.547	37	585	16	482	43.3	32.4	3.6	63.7	41.4	71.0	82.2	59.8	32.4	12.5	12.5	17.7	40.4
1.000 0.625 0.000	m	53.7	46.2	6.1	0.507	0.436	73.7	26.9	78.1	82.6	71.0	0.23	−0.106	0.11	46.2	9.8	17.7	20.2	61.0	1.163	−0.0520	0.438	35	579	15	479	47.6	40.9	5.4	70.1	25.8	75.0	79.4	71.0	40.9	8.7	15.7	17.9	61.0
1.000 0.750 0.000	m	59.9	58.6	8.2	0.473	0.463	81.1	14.1	83.1	83.7	85.9	0.22	−0.108	0.108	58.6	4.2	22.3	22.7	79.3	1.022	−0.0503	0.387	34	574	15	475	53.1	51.9	7.2	72.2	9.9	79.8	80.4	85.9	51.9	3.7	19.7	20.1	79.3
1.000 0.875 0.000	m	67.7	74.1	10.7	0.444	0.485	89.0	−5.9	86.6	88.8	93.9	0.213	−0.109	0.106	74.1	−2.7	28.0	28.1	95.6	−0.913	−0.0570	0.38	33	569	14	469	59.5	65.6	9.5	94.8	−5.7	85.1	85.3	93.9	65.6	−2.4	24.8	24.9	95.6
1.000 1.000 0.000	m	77.0	92.8	13.9	0.419	0.505	97.1	−21.4	94.5	96.9	102.8	0.206	−0.11	0.105	92.8	−11.1	34.9	36.6	107.8	0.83	−0.0590	0.395	33	565	11	459	68.2	82.2	12.3	92.7	−20.6	90.7	93.1	102.8	82.2	−9.8	30.9	32.4	107.8
0.875 1.000 0.000	m	66.2	87.2	13.3	0.397	0.523	94.8	−34.3	91.7	98.0	110.6	0.2	−0.111	0.105	87.2	−16.6	32.7	36.7	117.0	0.759	−0.06	0.42	32	561	2	413	58.7	77.3	11.8	90.4	−33.0	88.1	94.1	110.6	−34.7	28.9	32.5	117.0	87.2
0.750 1.000 0.000	m	57.3	82.6	12.9	0.375	0.541	92.3	−46.7	89.4	100.9	117.6	0.194	−0.112	0.105	82.6	−21.1	30.8	37.4	124.6	0.694	−0.0620	0.453	31	557	−1	557	50.8	73.2	11.5	88.5	−44.8	85.8	96.9	117.6	73.2	−18.7	27.3	33.1	124.6
0.625 1.000 0.000	m	50.1	78.0	12.6	0.354	0.557	89.7	−58.9	87.2	105.4	124.6	0.183	−0.113	0.106	78.0	−25.8	29.1	38.9	132.6	0.635	−0.0637	0.527	30	554	−1	554	44.4	69.9	11.2	87.0	−55.7	83.6	100.6	123.6	69.9	−22.9	26.6	34.1	132.6
0.500 1.000 0.000	m	44.6	76.1	12.3	0.335	0.572	89.9	−67.8	85.8	109.4	128.4	0.183	−0.113	0.107	76.1	−27.6	28.2	39.5	134.5	0.586	−0.0640.52	30	550	1	550c	39.5	67.4	10.9	85.7	−65.1	82.4	105.1	128.4	67.4	−24.4	25.0	35.0	134.5
0.375 1.000 0.000	m	40.5	74.0	12.1	0.32	0.584	88.3	−75.7	84.6	113.6	131.9	0.179	−0.114	0.108	74.0	−29.7	27.4	40.4	137.4	0.548	−0.0650.547	29	547	−1	547c	35.9	65.5	10.8	84.8	−72.7	81.3	109.1	131.9	65.5	−26.3	24.2	35.8	137.4
0.250 1.000 0.000	m	37.9	71.9	12.0	0.309	0.599	88.3	−81.4	83.8	117.9	134.2	0.176	−0.114	0.108	71.9	−31.0	26.8	41.1	139.3	0.521	−0.0661.566	29	545	−1	545c	33.5	64.3	10.6	84.1	−78.2	80.5	112.3	134.2	64.3	−27.5	23.8	36.4	139.3
0.125 1.000 0.000	m	35.4	71.8	11.9	0.303	0.598	87.9	−84.7	83.4	118.9	135.5	0.175	−0.114	0.109	71.8	−31.8	26.5	41.5	140.3	0.506	−0.0666 0.578	28	544	−1	544c	32.2	63.6	10.6	83.8	−81.4	80.1	114.2	135.5	63.6	−28.2	23.5	36.7	140.3
0.000 1.000 0.000	m	35.8	71.5	11.9	0.3	0.6	87.7	−86.1	83.2	119.8	136.0	0.174	−0.114	0.109	71.5	−32.1	26.4	41.6	140.7	0.5	−0.0666 0.582	28	544	−1	544c	31.7	63.4	10.6	83.6	−82.7	79.9	115.0	136.0	63.4	−28.4	23.4	36.9	140.7
0.000 1.000 0.125	m	36.0	71.6	13.3	0.298	0.592	87.8	−85.4	79.7	116.9	137.0	0.174	−0.118	0.105	71.6	−32.0	25.9	41.2	141.1	0.503	−0.0730.575	28	543	−1	543c	31.9	63.5	11.8	83.7	−82.0	76.6	112.3	137.0	63.5	−28.3	22.9	36.5	141.1
0.000 1.000 0.250	m	36.7	71.9	16.8	0.293	0.574	87.1	−83.8	72.0	110.5	139.4	0.175	−0.128	0.096	71.9	−31.5	24.6	40.1	142.1	0.51	−0.0920.558	28	542	−1	542c	32.5	63.7	14.8	83.8	−80.5	69.1	106.2	139.4	63.7	−27.9	21.8	35.5	142.1
0.000 1.000 0.375	m	37.9	72.4	22.1	0.289	0.551	86.5	−80.9	63.1	102.6	142.2	0.177	−0.147	0.089	72.4	−30.8	22.9	38.4	142.8	0.524	−0.1225 0.547	27	539	−1	539c	33.6	64.1	20.3	84.0	−77.7	58.1	97.1	143.2	64.1	−27.0	19.8	33.8	144.2
0.000 1.000 0.500	m	39.6	73.1	32.3	0.273	0.504	88.5	−76.7	46.8	89.9	148.6	0.179	−0.158	0.068	73.1	−29.7	18.9	35.3	147.6	0.542	−0.1760.483	26	532	−1	532c	35.1	64.7	28.6	84.3	−73.7	44.9	86.4	148.6	64.7	−26.3	16.8	31.3	147.6
0.000 1.000 0.625	m	42.1	74.0	45.0	0.261	0.459	88.9	−71.2	31.9	78.1	155.9	0.181	−0.176	0.052	74.0	−28.2	14.2	31.7	153.3	0.568	−0.2420.428	24	520	−1	520c	37.3	65.6	39.9	84.8	−68.4	30.6	75.0	155.9	65.6	−25.0	12.6	28.1	153.3
0.000 1.000 0.750	m	45.2	75.3	61.6	0.248	0.414	89.5	−64.5	16.5	66.7	165.6	0.185	−0.195	0.038	75.3	−26.3	8.2	27.6	162.8	0.6	−0.3263.367	29	503	−1	503c	40.0	66.9	54.6	85.4	−62.0	15.9	64.1	165.6	66.7	−23.3	7.1	24.5	162.8
0.000 1.000 0.875	m	49.1	76.9	82.1	0.236	0.369	90.3	−56.7	1.1	56.8	178.9	0.189	−0.213	0.029	76.9	−23.8	0.6	24.0	178.5	0.639	−0.4270.312	18	492		492c	43.5	68.1	72.8	86.0	−54.5	1.1	54.6	178.9	68.1	−21.1	0.5	21.2	178.5
0.000 1.000 1.000	m	53.8	78.7	107.0	0.225	0.329	91.1	−48.0	−14.0	50.1	196.4	0.193	−0.231	0.03	78.7	−20.9	−8.4	22.7	202.0	0.683	−0.5420.288	17	486	41	606	47.7	69.8	94.8	86.9	−46.1	−13.5	48.1	196.4	69.8	−18.5	−7.4	20.1	202.0
0.000 0.875 1.000	m	44.5	60.1	103.9	0.218	0.281	81.9	−33.6	−28.0	43.9	219.9	0.198	−0.25	0.041	60.1	−12.5	−15.3	19.9	230.7	0.74	−0.6910.331	16	481	36	583	39.4	53.2	92.0	72.6	−29.4	32.2	219.9	53.2	−11.1	−13.5	17.6	230.7
0.000 0.750 1.000	m	36.7	44.6	102.1	0.201	0.244	72.6	−17.7	−42.3	46.0	247.3	0.205	−0.274	0.061	44.6	−5.5	−21.0	21.8	255.0	0.824	−0.9080.49	15	476	35	575	32.5	39.5	89.7	69.1	−17.0	−40.7	44.2	247.3	39.5	−4.9	−18.6	19.3	255.0
0.000 0.625 1.000	m	32.1	35.7	99.2	0.189	0.215	63.4	−10.7	−55.7	56.7	269.9	0.215	−0.304	0.076	35.7	−2.6	−26.9	27.0	269.9	0.904	−1.2350.55	14	472	34	571	28.2	35.6	98.1	60.1	0.0	−54.5	54.5	269.9	35.6	0.0	−22.7	22.7	269.9
0.000 0.500 1.000	m	28.7	22.5	97.6	0.176	0.154	54.6	−19.1	−71.0	73.7	285.0	0.229	−0.34	0.127	22.5	4.3	−29.1	29.5	274.1	1.049	−1.7321.311	13	468	33	568	22.8	20.0	86.5	51.8	18.4	−68.2	70.8	285.0	20.0	3.8	−25.8	26.2	274.8
0.000 0.375 1.000	m	29.2	12.2	15.5	96.4	0.165	0.116	46.3	39.2	−84.5	93.1	294.9	0.247	−0.384	0.173	15.1	7.5	−31.7	32.7	283.2	1.431	−2.4851.106	12	464	33	567	19.7	13.7	85.4	43.9	37.7	−81.1	89.6	294.9	13.7	6.6	−28.1	28.9	283.2
0.000 0.250 1.000	m	29.9	5.2	12.7	96.0	0.086	0.054	38.2	67.9	−96.0	117.4	301.2	0.268	−0.432	0.268	10.1	9.5	−34.9	36.2	303.8	2.167	−3.8260.97	11	461	33	566	9.6	9.6	84.7	27.2	55.9	96.0	107.0	301.2	9.6	8.5	−29.6	30.6	303.8
0.000 0.125 1.000	m	18.6	8.2	95.2	0.152	0.068	34.5	72.5	−104.1	126.9	304.8	0.287	−0.472	0.268	8.2	10.7	−34.4	36.1	287.3	2.251	−4.6184.381	12	460	33	565	16.4	7.3	84.4	32.5	69.6	−100.0	121.9	304.8	7.3	9.5	−30.5	32.0	287.3
0.000 0.000 1.000	m	18.0	7.2	95.1	0.15	0.06	32.3	79.2	−107.8	133.8	306.3	0.297	−0.493	0.291	7.2	11.2	−34.8	36.6	287.8	2.5	−5.2655.073	11	459	33	565	16.0	6.4	84.2	30.4	76.1	−103.5	128.5	306.3	6.4	9.9	−30.8	32.4	287.8
0.125 0.000 1.000	m	18.6	7.5	95.1	0.154	0.062	33.0	79.4	−106.6	133.0	306.7	0.296	−0.487	0.284	7.5	11.5	−34.7	36.6	288.3	2.477	−5.0534.866	11	458	33	565	16.5	6.7	84.2	31.0	76.3	−102.4	127.8	306.7	6.7	10.2	−30.7	32.4	288.3
0.250 0.000 1.000	m	34.0	8.1	95.3	0.163	0.067	34.6	80.0	−103.9	131.2	307.6	0.294	−0.471	0.269	8.1	12.3	−34.3	36.6	289.6	2.427	−4.5844.404	11	455	32	564	17.8	7.4	84.3	32.6	76.9	−99.7	126.0	307.6	7.4	10.9	−30.4	32.4	289.6
0.375 0.000 1.000	m	35.2	12.8	95.3	0.172	0.076	36.7	81.2	−99.3	128.4	309.2	0.292	−0.462	0.249	12.8	13.7	−34.1	36.8	293.7	2.327	−3.9513.96	10	450	32	563	20.2	8.6	84.4	33.5	76.0	−95.4	123.3	309.2	8.6	12.1	−31.3	32.2	293.6
0.500 0.000 1.000	m	36.9	21.6	11.8	95.5	0.2	0.088	40.8	82.3	−93.3	125.1	317.7	0.289	−0.42	0.218	11.8	15.7	−33.0	36.6	295.4	2.283	−3.2433.109	6	434	32	562	23.8	10.4	84.6	38.6	79.9	−89.6	120.1	317.7	10.4	13.9	−29.2	32.4	295.4
0.625 0.000 1.000	m	37.2	34.6	14.6	95.7	0.227	0.102	45.1	85.9	−86.1	121.7	314.9	0.286	−0.391	0.19	14.6	18.5	−31.8	36.9	300.1	2.216	−2.6162.522	−1	566c	32	560	28.7	13.0	84.8	42.7	82.5	−82.7	116.9	314.9	13.0	16.4	−28.2	32.7	300.1
0.750 0.000 1.000	m	39.6	48.3	16.3	96.1	0.253	0.108	50.7	87.3	−78.1	118.8	318.8	0.283	−0.353	0.163	16.3	21.2	−30.3	37.3	304.8	2.116	−2.0952.047	−1	566c	31	556	35.1	16.2	85.1	47.3	79.9	−74.1	114.1	318.8	16.2	18.9	−26.9	33.1	304.8
0.875 0.000 1.000	m	48.5	22.9	96.5	0.289	0.137	55.0	93.6	−69.6	116.7	323.3	0.281	−0.337	0.14	22.9	26.7	−28.5	39.1	313.6	2.116	−1.6821.708	−1	552c	30	552	43.0	20.3	85.5	52.2	89.5	−66.8	112.1	323.3	20.3	23.7	−25.2	34.7	313.1
1.000 1.000 1.000	m	59.3	28.5	97.0	0.321	0.154	60.3	98.3	−60.7	115.6	328.2	0.28	−0.314	0.119	28.5	32.2	−26.3	41.6	326.7	2.082	−1.3611.462	−1	544c	28	544	52.5	25.2	85.9	57.3	94.4	−58.3	111.0	328.2	25.2	28.5	−23.3	36.9	320.7
1.000 0.000 0.875	m	54.6	26.6	72.2	0.356	0.173	58.6	94.1	−45.7	104.6	334.1	0.278	−0.291	0.1	26.6	29.3	−17.2	34.0	329.5	2.052	−1.0841.279	−1	529c	25	529	48.3	23.6	63.9	55.6	90.3	−43.8	100.5	334.1	23.6	26.0	−15.2	30.1	329.5
1.000 0.000 0.750	m	42	50.7	25.0	51.6	0.398	0.197	57.1	90.3	−29.8	95.1	341.7	0.277	−0.266	0.081	25.0	26.9	−9.6	28.6	340.1	2.024	−0.8231.142	−1	506c	21	506	44.9	22.2	45.7	54.2	86.7	−28.6	91.4	341.7	22.2	23.8	−8.5	25.3	340.1
1.000 0.000 0.625	m	47.5	22.8	35.1	47.5	0.238	0.112	52.5	86.1	−11.1	88.1	351.4	0.276	−0.216	0.028	22.8	24.7	−3.5	25.2	351.6	1.995	−0.6991.049	−1	496c	19	496	41.2	21.1	31.4	51.8	86.1	−11.1	87.1	351.4	21.1	22.1	−3.1	22.2	351.6
1.000 0.000 0.500	m	45.5	22.8	22.3	0.5	0.253	54.9	84.5	4.3	84.6	2.9	0.275	−0.207	0.061	22.8	23.4	1.0	23.5	2.5	1.978	−0.39	1.028	−1	491c	18	491	40.0	20.2	19.7	52.1	81.2	4.2	81.3	2.9	20.2	20.8	0.9	20.8	2.5
1.000 0.000 0.375	m	43.3	22.1	13.0	0.553	0.282	54.1	82.6	22.5	85.6	15.3	0.274	−0.174	0.072	22.1	22.3	4.4	22.8	11.2	1.961	−0.2341.03	−1	488c	17	488	38.4	19.6	11.5	51.4	79.3	21.6	82.2	15.3	19.6	19.8	1.9	20.2	11.2
1.000 0.000 0.250	m	42.2	18.3	36.1	0.398	0.329	52.6	81.2	40.8	90.9	26.7	0.274	−0.149	0.054	18.3	21.1	8.2	22.7	36.1	1.949	−0.1441.06	−1	487c	17	487	37.3	19.2	6.0	50.7	76.7	26.7	78.2	36.1	19.2	19.1	0.9	20.0	17.3
1.000 0.000 0.125	m	41.5	21.4	3.3	0.627	0.323	53.3	80.4	57.2	98.7	35.4	0.273	−0.111	0.119	21.4	21.2	8.0	22.6	20.6	1.943	−0.0611.06	41	609	17	486	36.8	18.9	2.9	50.6	77.2	55.0	94.8	35.4	18.9	18.8	7.1	20.1	20.6
0.000 0.000 0.000	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.045	−1	486c	−1	609c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.125 0.125 0.125	m	1.4	1.4	1.6	0.313	0.329	12.2	0.0	0.0	0.0	325.7	0.215	−0.214	0.01	1.4	0.0	0.0	0.0	334.4	0.95	−0.4350.01	−1	543c	28	543	−1.3	1.4	11.1	0.0	0.0	0.0	325.7	1.3	0.0	0.0	0.0	0.0	0.0	336.2
0.250 0.250 0.250	m	4.8	5.1	5.5	0.313	0.329	27.0	0.0	0.0	0.0	325.7	0.215	−0.214	0.01	5.1	0.0	0.0	0.0	324.8	0.95	−0.4350.01	−1	543c	28	543	4.3	4.5	4.9	25.3	0.0	0.0	0.0	325.7	4.5	0.0	0.0	0.0	0.0	325.3
0.375 0.375 0.375	m	11.1	11.6	12.6	0.313	0.329	62.0	0.0	0.0	0.0	325.4	0.215	−0.214	0.01	11.6	0.0	0.0	0.0	322.9	0.95	−0.4350.01	−1	543c	28	543	9.8	10.3	11.2	58.3	0.0	0.0	0.0	325.4	10.3	0.0	0.0	0.0	0.0	323.1
0.500 0.500 0.500	m	20.3	21.4	23.3	0.313	0.329	53.4	0.0	0.0	0.0	325.3	0.215	−0.214	0.01	21.4	0.0	0.0	0.0	322.2	0.95	−0.4350.01	−1	543c	28	543	18.0	19.0	20.6	50.6	0.0	0.0	0.0	325.3	19.0	0.0	0.0	0.0	0.0	322.3
0.625 0.625 0.625	m	33.1	34.8	38.0	0.313	0.329	65.6	0.0	0.0	0.0	325.3	0.215	−0.214	0.01	34.8	0.0	0.0	0.0	320.7	0.95	−0.4350.01	−1	543c	28	543	29.3	30.9	33.6	62.4	0.0	0.0	0.0	325.3	30.9	0.0	0.0	0.0	0.0	322.0
0.750 0.750 0.750	m	48	49.7	52.3	56.9	0.313	0.329	72.6	0.0	0.0	0.0	325.2	0.215	−0.214	0.01	49.7	0.0	0.0	0.0	320.8	0.95	−0.4350.01	−1	543c	28	543	44.6	46.3	50.4	73.7	0.0	0.0	0.0	325.2	46.3	0.0	0.0	0.0	0.0	321.8
0.875 0.875 0.875	m	70.2	73.9	80.5	0.313	0.329	89.0	0.0	0.0	0.0	325.2	0.215	−0.214	0.01	73.9	0.0	0.0	0.0	317.2	0.95	−0.4350.01	−1	543c	28	543	62.2	65.5	71.3	84.7	0.0	0.0	0.0	325.3	65.5	0.0	0.0	0.0	0.0	321.7
1.000 1.000 1.000	m	95.1	100.0	108.9	0.313	0.329	100.0	0.0	0.0	0.0	325.2	0.215	−0.214	0.01	100.0	0.0	0.0	0.0	317.2	0.95	−0.4350.01	−1	543c	28	543	84.2	88.6	96.5	95.4	0.0	0.0	0.0	325.2	88.6	0.0	0.0	0.0	0.0	321.7

TN070−7N, sRGB colours, normalized: $Tn = Tw = 100$

TUB-test chart TN07; 48 step hue circle and 9 grey steps
Calculated with *RGB, XYZ*

input: *w/rgb/cmyk* −> *w/rgb/cmyk*–
output: no change computed

see similar files: http://130.149.60.45/~farbmetrik/TN07/TN07.HTM
technical information: http://130.149.60.45/~farbmetrik/ www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-TN07TN07LON1.TXT /.PS
application for measurement of display output

TUB material: code=ha4a